

The YC® connector is a non-hermaphroditic vehicle and charger connector which is used on battery operated equipment.

FEATURES

• Plug Housing Color - "orange"

Increase operator awareness for safety concerns

• Auxiliary Contacts

Provides ability to incorporate a secondary circuit



PRODUCT SPECIFICATIONS

Configuration		Housing Color	
Number of poles	2	Plug	safety orange
Nominal amperage	175	Receptacle	black
Voltage rating	125	Vibration resistance	excellent
Current rating	175 amp on 2/0 AWG (12.90 mm) cable does not exceed 30°C temperature rise	Environmental Restrictions	
Operating temperature range	-20°C to +105°C	Aluminum plug	none
Contact type	cylindrical	Receptacle	none
		Polycarbonate plug	no hydrocarbon fluids
Connect-Disconnect		Auxiliary Contacts	
No load	5000 times	Number	1
Under load	for disconnect use only (not for current rupturing)	Maximum wire size	#14 AWG (1.98mm)
Cable size accommodation	2 2/0AWG 8.56 in 12.90 mm	Standards	
Maximum cable insulation diameter	.750 in. 19.05mm	Underwriter's Laboratories, Inc.	
Cable connection	solder	Recognized Component File #E26226	
Plug	Aluminum or polycarbonate	Mounting dimensions conform with standards of the Industrial Truck Association.	
Receptacle	Phenolic		

ORDERING INFORMATION

Complete Unit

Part Number	Description	Wire AWG	sq.mm
Receptacle-on truck			
7205G3		#2	33.6
7207G3*		#2	33.6
7205G1		1/0	53.5
7207G1*		1/0	53.5
7205		2/0	67.43
7207*		2/0	67.43
Plug(aluminum)-on battery			
7204G3		#2	33.6
7206G3*		#2	33.6
7204G1		1/0	53.5
7206G1*		1/0	53.5

complete unit continued

Part Number	Description	Wire AWG	sq.mm
Plug(aluminum)-on battery			
7204		2/0	67.43
7206*		2/0	67.43
Plug(polycarbonate)-on battery			
L7204G3		#2	33.6
L7206G3*		#2	33.6
L7204G1		1/0	53.5
L7206G1*		1/0	53.5
L7204		2/0	67.43
L7206*		2/0	67.43

*indicates connectors with auxiliary contact

Components

Part Number	Description	Wire AWG	sq.mm
Housings			
956	Receptacle-phenolic	N/A	N/A
957	Receptacle-phenolic*	N/A	N/A
962	Plug-aluminum	N/A	N/A
963	Plug-aluminum*	N/A	N/A
L962	Plug	N/A	N/A
L963	Plug*	N/A	N/A
Power Contact Assembly			
960	Receptacle	#2	33.6
959	Receptacle	1/0	53.5
958	Receptacle	2/0	67.43
966	Plug-aluminum	#2	33.6

* for auxiliary contact

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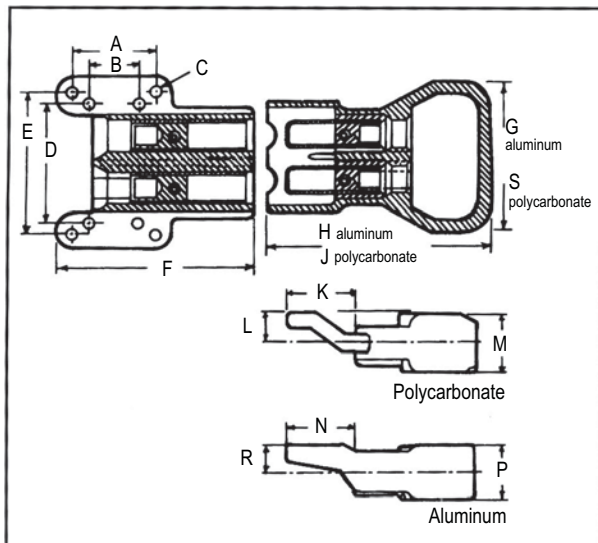
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components continued

Part		- Wire -	
Number	Description	AWG	sq.mm
Power Contact Assembly			
965	Plug-aluminum	1/0	53.5
964	Plug-aluminum	2/0	67.43
966G1	Plug-polycarbonate	#2	33.6
965G1	Plug-polycarbonate	1/0	53.5
961G1	Plug-polycarbonate	2/0	67.43
Auxiliary Contact Assembly			
961	Receptacle	N/A	
967	Plug-aluminum	N/A	
967G1	Plug-polycarbonate	N/A	

DIMENSIONS



Mounting dimensions conform with ITA standards. All dimensions are in inches and for reference only. They should not be used for layout work. Specific details will be furnished on request.

	-A-	-B-	-C-	-D-	-E-	-F-
inches	1.88	1.13	.27	2.75	3.25	4.44
mm	47.8	28.7	6.9	69.9	82.6	112.8
	-G-	-H-	-J-	-K-	-L-	-M-
inches	3.88	5.7	5.88	2.19	.97	1.75
mm	98.4	146.1	149.4	5.6	24.6	44.5
	-N-	-P-	-R-	-S-		
inches	2.0	1.75	.88	4.50		
mm	50.8	44.5	22.2	114.3		



Receptacle on the truck

Part
Number

7205G3
7207G3
7205G1
7207G1



Plug on the battery-aluminum

7204G3
7206G3
7204G1
7206G1



Plug on the battery-polycarbonate

L7204G3
L7206G3
L7204G1
L7206G1



Receptacle housing-phenolic

956
957



Receptacle housing-aluminum

962
963



Plug housing-polycarbonate

L962
L963



Receptacle power contact assembly

960
959
958



Plug power contact assembly-aluminum

966
965
964
966G1
965G1
961G1

Plug power contact assembly-polycarbonate



Receptacle auxiliary contact assembly

961



Plug auxiliary contact-aluminum

967



Plug auxiliary contact assembly-polycarbonate

967G1

Mouser Electronics

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